

Message

From: Fennessy, Christopher [christopher.fennessy@Rocket.com]
Sent: 12/11/2018 11:58:08 PM
To: Keller, Lynn [Keller.Lynn@epa.gov]; Lae, Tom/SAC [Tom.Lae@jacobs.com]
CC: Lane, Jackie [Lane.Jackie@epa.gov]
Subject: RE: [EXTERNAL] Request for revised Proposed Plan figures from Aerojet for the Area 40 PP
Attachments: 631235821_008_Fig1_GET.PDF; 631235821_008_Fig1_GET.JPG;
631235821_009_Fig_2_source_areas_RAP_v105.pdf; 631235821_009_Fig_2_source_areas_RAP_v105.jpg;
PRB_CSM_rev4.jpg; A40_Eval_Alternative_R1.pdf; A40_Eval_Alternative_R1.jpg

Hi Lynn – Here are some draft figures for you to review. I am sending in two formats (except for the PRB CSM) so you can choose the best format for your document. Feel free to mark-up however you see fit and e-mail back. I still have Figures 3 and 4 and the cleanup goal figure. They are still too messy. Chris

Christopher M. Fennessy, P.E.
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From: Keller, Lynn [mailto:Keller.Lynn@epa.gov]
Sent: Tuesday, November 27, 2018 2:34 PM
To: Lae, Tom/SAC; Fennessy, Christopher
Cc: Lane, Jackie
Subject: RE: [EXTERNAL] Request for revised Proposed Plan figures from Aerojet for the Area 40 PP

Hi, Chris. Just adding a bit of clarification to our A40 PP figures request.... New comments are in green:

Couple of questions:

- When you say narrow figures 2 and 3, you want the viewport reduced to encompass only the pertinent information on the figure? **Yes. For Fig 2, add in a label for Prairie City Road so the reader can be oriented.** We're trying to ensure the reader can immediately figure out where Area 40 is based on landmarks like major roads and understand all of the information presented on the figure (or delete extra info that isn't needed). Figures 2, 3, and 4 all need major road references, sharper focus (please send us figure files individually), a more narrow viewport as you mentioned, a key for colors/symbols/etc., and figure titles without acronyms.
- Do you mean Final FS Figure 2-4 (HH Risk future on-site resident GW, SV, indoor air pathway)? Other? **Lynn – can you clarify? Fig 2-4 is very busy.** Figures 3 and 4 need to be revised based on the Final FS please; it's not clear to the reader what these figures represent. Our toxicologist and I would also like some more easily understood figure that conveys the risks posed by source areas and groundwater plume, as well as the areas where VM is required and the 100' buffer; FS Fig 2-4 has the information, but wouldn't be understandable to the reader—esp. on a tiny figure in a PP. Could you please come up with a simplified figure that summarizes the approach with regard to human health risk? The goal of this figure is to illustrate the extent of

contamination measured by cancer risk, help justify the need for cleanup, and illustrate the mitigation boundaries for groundwater and soil vapor.

- Are you looking for plan view and elevation view for PRB? **Something cartoon-y should be fine.** Yes, the goal with this request is to present the reader with an idea of what a constructed PRB wall resembles, where it will be located, and how it works at a very basic level. Showing contaminants funneling toward and through the wall then over to GET AB would help illustrate why a wall of this size and location should work well. A reference to the successful pilot study wall on the figure would also help illustrate that we know this type of remedy works in this area on a smaller scale.
- Does Figure 1-13 work for GET AB with plumes? **If there is a figure that is much more simplified, that would be preferred. There are a lot of tiny details/features in fig 1-13 so it is difficult to see the necessary info – especially when it is further reduced in size to fit in the PP.** I think a new, simplified figure would be more effective than using Figure 1-13. No need to include GET AB extraction wells that aren't pulling in A40 contamination. However, in Figure 1-13 the northern extraction wells shown, groundwater flow direction arrows, and plume contours don't illustrate very well that the plume from A40 is indeed being completely treated by GET AB. There are no extraction wells to the west where the groundwater flow areas point to from A40, and the plume looks undefined to the N, W, and S of Area 40. Also the groundwater plume contours should illustrate the extent of groundwater contamination, from high to low.
- Jackie and I are on board with not downing a forest for this PP effort. We thought the best way to proceed would be for Aerojet to mail out post cards with a simple hyperlink for people to go to and download the PP, along with repository info and contact info on how to get a hard copy of the PP mailed them if necessary.

Let's talk more about this tomorrow if it isn't clear. Thank you for helping with the A40 PP figures, Chris, Lynn

Lynn M. Keller, EI, PMP
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From: Lae, Tom/SAC <Tom.Lae@jacobs.com>
Sent: Tuesday, November 27, 2018 10:12 AM
To: Fennessy, Christopher <christopher.fennessy@Rocket.com>; Keller, Lynn <Keller.Lynn@epa.gov>
Cc: Lane, Jackie <Lane.Jackie@epa.gov>
Subject: RE: [EXTERNAL] Request for revised Proposed Plan figures from Aerojet for the Area 40 PP

Chris- See below

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From: Fennessy, Christopher <christopher.fennessy@Rocket.com>
Sent: Wednesday, November 21, 2018 1:23 PM
To: Keller, Lynn <Keller.Lynn@epa.gov>
Cc: Lae, Tom/SAC <tom.lae@jacobs.com>; Lane, Jackie <Lane.Jackie@epa.gov>
Subject: RE: [EXTERNAL] Request for revised Proposed Plan figures from Aerojet for the Area 40 PP

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From: Keller, Lynn [<mailto:Keller.Lynn@epa.gov>]
Sent: Wednesday, November 21, 2018 12:45 PM
To: Fennessy, Christopher
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Subject: [EXTERNAL] Request for revised Proposed Plan figures from Aerojet for the Area 40 PP

Hi, Chris. As we discussed yesterday, could you please provide us with some revised figures that will help refine the A40 PP and keep it concise, as well as ensure it correlates well with the final FS?

- Please update figures in attached draft to match Final FS figures
- Please send new figures as solo files so we can insert them as needed in PP
- Create a simplified Figure on Cleanup Goals
- Improve resolution on all figures
- Contamination plume lines on figures need distinguishing plume lines (e.g. hashed, dotted) in addition to different colors to ensure plumes can be differentiated when printed in black and white
- All figures need a few reference points included to orient the reader spatially, such as key roads and landmarks
- Add keys to all figures
- Narrow figures 1, 2, and 3
- Include Final FS figure 4
- Need basic PRB wall drawing to explain proposed 600' alternative including function, construction, and location
- Need GET AB and plume flow to it on figures
- Need a visual interpretation of Evaluation of Alternatives to simplify, such as a pie chart.

Jackie and Tom, please add anything you think I may have missed in our discussions.

Thank you, Chris, and have a happy Thanksgiving,
 Lynn

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